

TABLE 2. RISK ASSESSMENT MATRIX

RISKS/TYPES OF PROJECTS	LOCATION (PLAT #)	OWNERSHIP	NATURAL HAZARD	PRIMARY PROBLEM/EFFECT	MITIGATION BENEFITS	RISK (Historical - H or Potential - P)
BVE Electrical Utilities Substation	(Plat #65B)	private	ice damage, earthquake, flood	loss of electricity/ economic damage	economic stability, provision of essential services to public	P
City Hall	(Plat #43A)	public	ice damage, severe flood earthquake	structural damage, water damage/ computer operation, record storage	protection of essential public services	H and P
Filtration Plant	Cumberland, R.I.	public	ice damage, earthquake	health hazard, economic disruption, disruption to essential services	protection of public, safeguard against expensive repairs	P
High-Rise Structures	1. Kennedy (Plat #43B) 2. Fogarty (Plat #43B) 3. Towers East (Plat #53B) 4. Slater Apartments (Plat #53B) 5. Centennial Towers (Plat #44B)	public and private	wind, hurricane, nor'easter, earthquake, ice damage	loss of life, property damage	protection of life, property	P
Historic Buildings, National Register	various (+270)	two-thirds private	flood earthquake, ice damage	economic damage, structural damage	historical and cultural preservation, economic stability	P
I-95 Bridges	1. East Street (Plat #6A) 2. Pawtucket River (Plat #23B)	public	earthquake, ice damage	loss of access, disruption of evacuation routes, loss of life, economic disruption	protection of life, secured evacuation routes	P
Industries in the Floodplain	(Plat #41, #53)	private	flood	disruption to industries, loss of businesses	private property protection, economic stability	H and P
Local Bridges	1. Walcott Street (Plat #23B) 2. Broadway/Route 1 (Plat #20A) 3. Central Avenue (Plat #20A) 4. Main Street (Plat #43A) 5. Division Street (Plat #54B)	public	1. earthquake 2. wind 3. flood 4. flood waters rise to base of bridge, earthquake 5. earthquake, ice damage	loss of life and/or access, disruption of evacuation routes, economic disruption	protection of life, secured evacuation routes	P
McCoy Stadium	(Plat #26B)	public	ice damage, earthquake	structural damage, risk to public safety	economic stability	P
Mobile Homes	various (+250)	private	flood, ice damage, earthquake, wind	destruction, economic loss, loss of homes	protection of life, property	P
Narragansett Bay Commission Treatment Plant	East Providence, R.I.	public	ice damage, earthquake, flood	structural damage	prevention of pollution and health hazards	H and P
River Dams	citywide	private	flood, structural damage, ice damage, earthquake	loss of life, property damage	protection of life, property	P

TABLE 2. RISK ASSESSMENT MATRIX (Continued)

RISKS/TYPES OF PROJECTS	LOCATION (PLAT #)	OWNERSHIP	NATURAL HAZARD	PRIMARY PROBLEM/EFFECT	MITIGATION BENEFITS	RISK (Historical - H or Potential - P)
Schools	1. Varieur Elementary (Plat #65B) 2. Baldwin Elementary (Plat #55A) 3. Cunningham Elementary (Plat #46A) 4. Greene Elementary (Plat #58A) 5. Winter Elementary (Plat #8A/20B) 6. Curvin-McCabe Elementary (Plat #9A) 7. Potter Elementary (Plat #16A) 8. Fallon Elementary (Plat #33A) 9. Curtis Elementary (Plat #2A) 10. Little Elementary (Plat #25A) 11. Goff Junior High (Plat #18B) 12. Slater Junior High (Plat #46A) 13. Jenks Junior High (Plat #26A) 14. Shea High (Plat #65A) 15. Tolman High (Plat #22B)	public	ice damage, earthquake	public safety, economic hardship, loss of shelters	loss of municipal operation, protection of life, property, and shelters	P
	16. St. Raphael Academy (Plat #24B) 17. St. Leo's (Plat #11B) 18. St. Teresa's (Plat #18B) 19. Woodlawn (Plat #46A) 20. Bishop Keough (Plat #60B)	private	ice damage, earthquake	public safety, economic hardship, loss of shelters	loss of municipal operation, protection of life, property, and shelters	P
Slater Mill	(Plat #43A)	private	flood	structural damage, economic loss	historical and cultural preservation, economic stability	P
Wrecking Yard	(Plat #57B)	private	ice damage, flood, fire	hazardous waste contamination into Mosshassuck River, cleanup costs	prevention of contamination to residential areas	P



COASTAL RESOURCES CENTER
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